



Application Note

SolarEdge Home Battery 400V Transportation and Storage Guidelines

Version 1.5

November 2024

Revision history

Version	Date	Description
1.5	November 2024	Added PN.
1.4	August 2022	Updated the allowed duration in the extended temperature range from 3 weeks to 1 month
1.3	July 2022	Added imperial measurements to the metric ones.

Overview

This document provides SolarEdge Certified Installers and Fulfillment Center personnel with the necessary details about packaging, storage, and shipping of SolarEdge 400V BAT-10K1PS0B-XX, and UBAT-10K1PS0B-XX, where **XX** is BAT-10K1PS0B-01, BAT-10K1PS0B-02, BAT-10K1PS0B-12 or UBAT-10K1PS0B-XX. For more information, contact the [SolarEdge Support Center](#).

Safety

Refer to the SolarEdge Home Battery 400V – [Emergency Response Guide \(ERG\)](#) for detailed safety and hazard information specific to the lithium-ion battery in the SolarEdge Home Battery 400V. All logistics companies in the supply chain are responsible for knowing and following any and all applicable regulations pertaining to the storage, handling, and transportation of dangerous goods as described in the ERG.

Packaging and Handling

SolarEdge Home Battery 400V Packaging Specifications

The SolarEdge Home Battery 400V is packaged in a box that is designed to safely hold the Home Battery unit and its parts. The Home Battery can be packaged and shipped in stacks of up to a maximum of 4 Home Battery boxes.

- [Table 1](#) and [Table 2](#) provide details on the weight and size of the SolarEdge packages when packed as Single SolarEdge Home Battery 400V box.
- Pallet with a stack of four SolarEdge Home Battery 400V boxes

Table 1 - Single SolarEdge Home Battery 400V box

Packaging Parameter or Dimension	Value
Weight	163.9 Kg / 361.3 lbs
Length	1219 mm / 48 in

Packaging Parameter or Dimension	Value
Width	1016 mm / 40 in
Height	500 mm /19.7 in

Table 2 - Pallet with a stack of four SolarEdge Home Battery 400V boxes

Packaging Parameter or Dimension	Value
Weight	655.6 Kg / 1445.1 lbs
Length	1219 mm / 48 in
Width	1016 mm / 40 in
Height	2000 mm 78.7 in

Handling Precautions

Keep the SolarEdge Home Battery 400V in its original shipping package until the SolarEdge Home Battery 400V is installed. The package should be kept flat on its back, front facing up.

Individual SolarEdge Home Battery 400V boxes should not be removed from their pallets until loading for final delivery.

Each SolarEdge Home Battery 400V is to be handled in its shipping box. Keep each unit in its box until it reaches its final destination for installation.

Ensure the packaging is not punctured. Protect packaging from the weather and extreme temperatures.

The SolarEdge Home Battery 400V is heavy, weighing approximately 160 Kg. When handling the unit, wear appropriate personal protective equipment such as gloves and protective footwear.

Use a forklift only to stack or unstack the products on\from a pallet. Only use the designated forklift ready position to lift or lower the product.

Follow these rules when handling pallets of SolarEdge Home Battery 400V boxes in the warehouse:

- Do not stack or transport other items on top of SolarEdge Home Battery 400V boxes.

A maximum of four (4) SolarEdge Home Battery 400V batteries in their original boxes can be arranged and packaged as a single stack. The stack is placed on and strapped to a regular shipping pallet.

- Each box sits on its own pallet that has a raised edge. This helps to prevent the box from slipping sideways within the stack.

- Place each box in the stack so that it faces the opposite direction to the previous box. This balances the weight distribution within the stack.



Figure 1: Pallet Packed with a Maximum of Four SolarEdge Home Batteries Boxes for Shipping

Storage

References to storage in this section refer to on-the-shelf conditions of a SolarEdge Home Battery 400V packed in its original box. The maximum acceptable storage duration is 12 months from shipment date, in the following temperature ranges.

Storage Duration	Allowable Temperature Range
Up to 1 month in total per covered owner*	-30 °C to 60 °C (-22 °F to 140 °F)
Up to 12 months since the shipment date	-10 °C to 30 °C (-14 °F to 86 °F)

* "Covered owner" shall mean the person/entity that purchased the SolarEdge Home Battery 400V from SolarEdge (i.e., distributor) OR the person/entity who installed it.

The SolarEdge Home Battery 400V warranty is voided, if the battery is stored for more than 12 months from the shipment date.

Transportation and Shipping

General Transport Guidelines

The SolarEdge Home Battery 400V is considered to be a Class 9 dangerous good when being transported by commercial means, either by way of road, rail, or sea (ship).

The liability of the product is transferred when the ownership is transferred. Therefore, each distributor is responsible for shipping the product in accordance with the applicable transportation regulations.

The UN Number and Proper Shipping Name for SolarEdge Home Battery 400V is:

- UN 3480, Lithium Ion Batteries

The UN Number and Proper Shipping Name are the same by any mode of transport, across the world.

Each distributor is responsible for ensuring that staff who transport or offer to transport the SolarEdge Home Battery 400V are trained in accordance with the applicable transportation regulations.

Shipping by Truck

When shipping Class 9 dangerous goods by truck, guidelines can vary by region:

- Within the United States, Australia, and New Zealand: Trucks are exempt from placards and drivers are not required to have hazmat endorsement / licensing.
- Within Europe: Trucks carrying less than 300 kg are exempt from placards, and drivers are not required to have hazmat endorsement / licensing. Trucks carrying more than 300 kg are required to use placards and have hazmat endorsement / licensing.
- Shipping in all other regions: Please refer to local regulations.

In all regions, regardless of shipment weight, the driver must be made aware that the shipment contains Class 9 dangerous goods, which requires dangerous goods shipping paperwork. The paperwork can be in the form of a Bill of Lading (BOL), Job Sheet, or Delivery Order.

In addition to the guidance above, be sure to conform to all applicable national, state/provincial, and local regulations regarding storage and transport of Class 9 dangerous goods.

Shipping by Air

The SolarEdge Home Battery 400V cannot be shipped using air transportation.

Damaged Packaging and Repackaging

Damaged Packaging

If a SolarEdge Home Battery 400V box appears to be damaged DO NOT ship or transport the unit.

Immediately contact the SolarEdge Service team in your region. Service phone numbers and email addresses for each region are available at <https://www.solaredge.com/corporate/contact>.

For technical support or information on returning damaged units, fill out a service request on the SolarEdge website at: <https://www.solaredge.com/service/support>.

NOTE: For any shipment other than a new unit straight from SolarEdge approved factory, check with the SolarEdge partner who initiated the transport request and get formal

confirmation in order to ensure that they have contacted SolarEdge and verified the unit is in a state of charge (SOC) that is safe to ship.

Repackaging

Repacking of the SolarEdge Home Battery 400V is not allowed!

In case the outer box is damaged, please contact [SolarEdge support](#).